



NITFS Compliance Registration



Product: Meteorological Data Station AN/UMQ-13 (Mark IVB) Release 11.0

Date: 02 April 2005

Sponsor: Space and Missile Systems Center (SMC) Detachment 11/WXD

Expiration: 01 April 2007

Developer: Lockheed Martin Corporation/Integrated Systems and Solutions

Registration #: 3010

☒ Initial Registration
☐ Supplemental/Update #
☐ Derived from Reg. #

System

N-0105/98, §4.1.1

Product

N-0105/98, §4.1.2

Component

N-0105/98, §4.1.3

NITFS Features Implemented:

Format

NITF

☒ V2.1

☐ V2.0

☐ V1.1

NSIF

☐ V1.0

Image Segment Types

☐ MONO

☐ RGB

☒ RGB/LUT

☐ YCbCr

☐ MULTI

☐ NO DISPLY

☐ POLAR

Data Extension Segments

☐ TRE_OVERFLOW

☐ STREAMING_FILE_HEADER

☐ Controlled Extensions **

☐ Registered Extensions **

Tagged Record

Extensions

- DIGEST GeoSDE

Complexity Level							
NITF 2.1 CLEVEL							
	3	5	6	7			
Interpret							
Generate							
NITF 2.0 CLEVEL							
	1	2	3	4	5	6	Oth
Interpret							
Generate							

Configurations Tested:

- 2.8 GHz Intel Pentium, Windows XP

Pixel Value Types

☐ Boolean

☒ Integer

☐ Signed Integer *

☐ IEEE Real *

☐ IEEE Complex *

Image Compression

☒ Not Compressed

☐ JPEG Lossy, 8-bit

☐ JPEG Lossy, 12-bit

☐ JPEG Downsample

☐ JPEG Lossless

☐ JPEG 2000

☐ BCL level

☐ Vector Quantization

☐ Multispectral JPEG, Individual Band

Annotation Segment Types

☐ B0 Mapped **

☐ CGM, 2301

☐ CGM, 2301A

☐ Labels **

Text Segments

☐ STA

☐ WT1

☐ W8S

☐ MTF

Interpret
Generate

Legend

☒ Fully implemented

☒ Partially implemented

☐ Not implemented

EDWARD E. BOYLES II, Division Chief
Joint Interoperability Test Command
Executive Agent to National Geospatial-
Intelligence Agency for the NITFS Test and
Evaluation Program

Registration does not guarantee that a product will meet all users' requirements.
Potential users should evaluate the detailed test results to determine the suitability of
product for the intended use. Optional NITFS features may not be implemented.